



PLOT DATE: Thursday, December 01, 2011
PLOT TIME: 06:24:15 pm
PLOT ID: 65411-573-01
PLOT DIR: D:\111201 NAVSEA DR1 DRAWINGS\DCI 027-19 F57301 REV-01
FILE NAME: DCI 027-19 F573-01 REV-01.DWG

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NOTE: THIS DRAWING AND THE INFORMATION CONTAINED HEREON CONSTITUTES EXPORT CONTROLLED INFORMATION SUBJECT TO THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (ITAR) AND A TECHNICAL ASSISTANCE AGREEMENT ("TAA") BETWEEN GUIDO PERLA & ASSOCIATES, INC. ("GPA") AND APPLICABLE SUBCONTRACTORS. THIS DRAWING AND THE INFORMATION CONTAINED HEREIN MAY NOT BE DISCLOSED OR TRANSFERRED TO ANY PERSON, WHO IS NOT A U.S. PERSON AS DEFINED IN 22 CFR 120.15. WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF GPA AND THE OFFICE OF TRADE CONTROLS LICENSING OF THE U.S. DEPARTMENT OF STATE, AND COMPLIANCE WITH APPLICABLE PROVISIONS OF ITAR AND THE TAA, ANY VIOLATION OF THESE RESTRICTIONS MAY SUBJECT THE VIOLATOR TO CRIMINAL PROSECUTION.

P R E L I M I N A R Y
DRAWINGS SUBMITTED UPON THE OCCASION OF DESIGN REVIEW 1.
GPA RESERVES THE RIGHT TO MAKE ANY CHANGES TO THIS DRAWING IN UPCOMING REVISIONS.
FINAL REVIEW AND APPROVAL BY GPA IS PENDING.

EQUIPMENT LIST

NO.	NAME	MANUFACTURER	MODEL NO.	SWL	NOTES
1	MAIN CRANE	ALLIED	TK70-70	22,000 LBS AT 70 FT (STATIC)	REF 4
2	PORTABLE CRANE	ALLIED	TK4-30	2,000 LBS AT 30 FT (DYNAMIC)	REF 5
3	RESCUE BOAT DAVIT	SCHAT HARDING	SA135	TBD	REF 9
4	STERN FRAME	ALLIED	A-30	30,000 LBS AT ALL POSITIONS	REF 6
5	HYDROGRAPHIC WINCH	MARKEY	CAST6-125	24,000 LBS	REF 11
6	TRACTION WINCH	MARKEY	DETW-9-11	26,500 LBS (0 TO 205 FT/MIN)	REF 12
7	CTD HANDLING SYSTEM	ALLIED	CTD LARS	11,100 LBS AT 23 FT (DYNAMIC)	REF 7
8	STARBOARD SIDE HANDLING DEVICE	ALLIED	STBD SIDE HANDLER	11,100 LBS AT 23 FT (DYNAMIC)	REF 8

SHEAVES

TRACTION/TRAWL WINCH	SHEAVES		
	LOCATION	DIAMETER	TYPE
	01 DK FR 92 CL	48 INCH	FLAGGING, INSTRUMENTED
HYDROGRAPHIC WINCH	A-FRAME	48 INCH	HANGING (GFE)
	FOCSLE DK FR 74 (S)	16 INCH	PEDESTAL 1- 2 FIXED, 1 FLAGGING
	FOCSLE DK FR 83 (S)	16 INCH	PEDESTAL 2- 2 FIXED

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED

GENERAL NOTES

- ALL WORKMANSHIP, WELDING AND MATERIALS SHALL BE IN ACCORDANCE WITH THE ABS RULES FOR VESSELS UNDER 90 METERS, SUB-CHAPTER "U" OF TITLE 46 OF THE CFR AND SOLAS.
- ALL STRUCTURAL STEEL SHALL BE ABS GRADE A OR EQUIVALENT UNLESS NOTED OTHERWISE. WELDING SHALL BE IN ACCORDANCE WITH ABS RULES AND SHALL BE TO THE SATISFACTION OF THE ATTENDING ABS SURVEYOR.
- ROUGH OR RAGGED EDGES WHERE LIKELY TO INJURE PERSONNEL OR DAMAGE EQUIPMENT SHALL BE DRESSED OR MADE SMOOTH.
- PEDESTAL HEIGHT TO BE CONFIRMED BASED ON RESCUE BOAT, CRADLE AND DECK CLEARANCE AT LAUNCH. TRIPPING BRACKETS TO BE SHIPYARD SUPPLIED.
- THE WEATHER DECK BECOMES SUBMERGED AT 15.4'. THIS IS THE MAXIMUM UNFAVORABLE TRIM AND, PER SUB-CHAPTER "W" 199.130 (4) (iii), THE FUNCTIONAL LIMIT FOR THE LIFESAVING APPLIANCES TO LAUNCH AND RECOVER.
- OVERBOARDS IN WAY OF LIFESAVING EQUIPMENT SHALL HAVE DEFLECTORS.

12. MARKEY 43282 11. MARKEY E52030 10. 9. SCHAT HARDING 8. ALLIED 63677 7. ALLIED 63297 6. ALLIED 63567 5. ALLIED 63439 4. ALLIED 63267 3. 54308-832-01 2. 54308-573-02 1. 54308-801-01	TRACTION WINCH HYDROGRAPHIC WINCH LOAD HANDLING STRUCTURAL CALCULATIONS NSK 1888 RESCUE BOAT DAVIT ALLIED STBD SIDE HANDLER ALLIED CTD-LARS ALLIED A-30 STERN FRAME GENERAL ARRANGMENTS ALLIED PORTABLE CRANE TK4-30 ALLIED CRANE TK70-70 GENERAL ARRANGEMENT CONTRACTOR'S SYSTEM SPECIFICATION SCIENTIFIC SYSTEMS DEPLOYMENT GENERAL ARRANGEMENTS
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DWG		TITLE	
REFERENCES			
APPROVALS			
USCG			
ABS			
OWNER			
HULL NO.		DESIGNER	
58		GUIDO PERLA & ASSOCIATES, Inc. 701 FIFTH AVENUE, SUITE 1200 SEATTLE, WA. 98104 U.S.A. Tel: (206) 768-1515 Fax: (206) 768-9700 Email: gpa@gpai.com	
CAGE CODE		SHIPBUILDER	
OW7U3		DAKOTA CREEK INDUSTRIES, Inc. 820 FOURTH STREET, P.O. BOX 218 ANACORTES, WA 98221 Tel: (360) 293-9575 Fax: (360) 293-6453	
NAVSEA DWG. No.		PROJECT	
8565924		OCEAN CLASS AGOR	
ESWBS		TITLE	
573-01		SHIP CONSTRUCTION HANDLING SYS. ARRANGEMENT	
DWN	MSH	DATE	02/10/11
CKD	CC	DATE	02/10/11
APVD	—	DATE	—
APVD	—	DATE	—
DWG No.		REV.	
D 65411-573-01		—	
SCALE		SHEET:	
NONE		1 OF 9	

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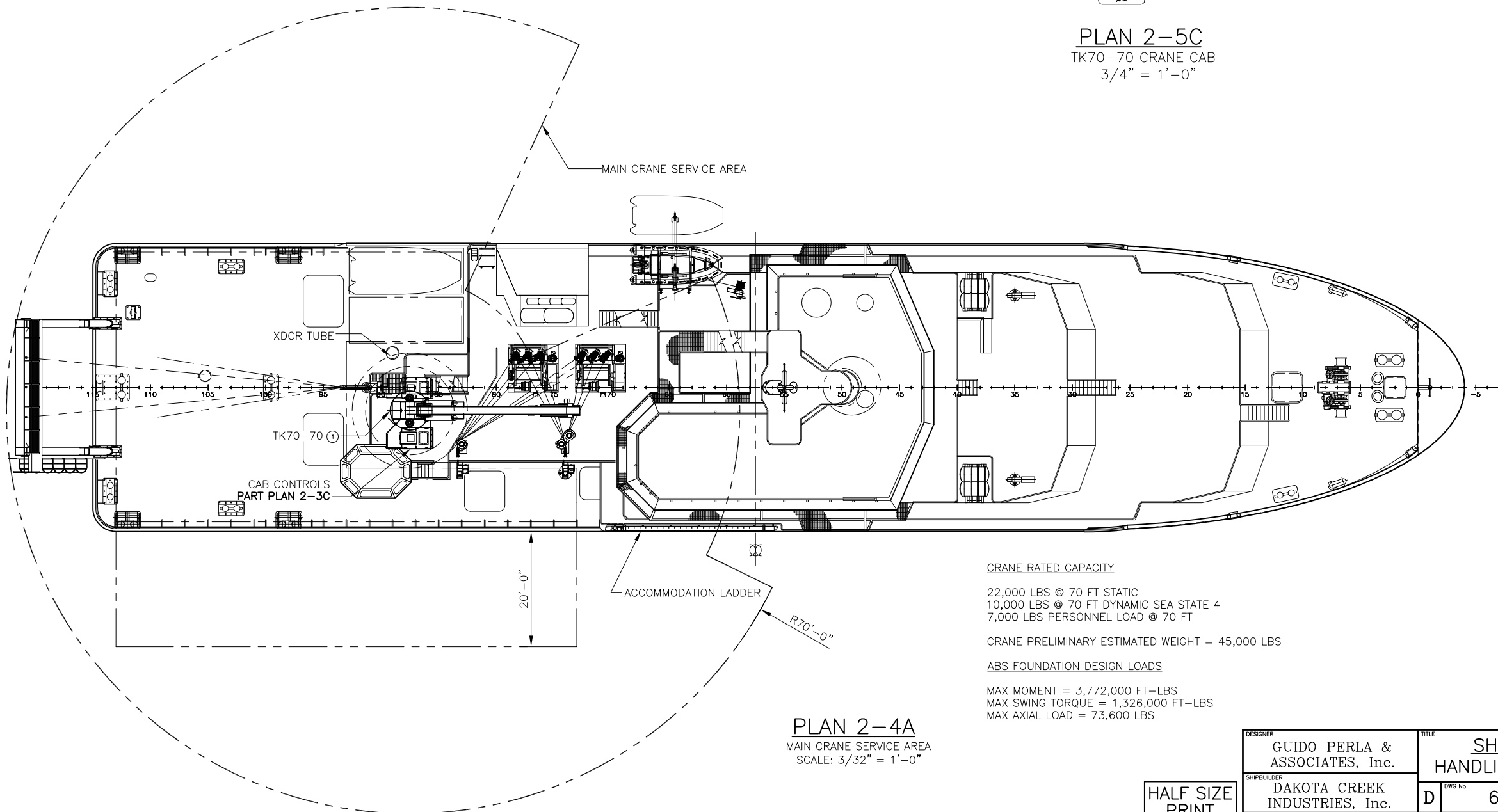
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PLOT DATE: Thursday, December 01, 2011
PLOT TIME: 06:26:36 pm
PLOT ID: 65411-53
FILE NAME: D:\027-19 F573-01 REV-01.DWG



PLAN 2-4A
MAIN CRANE SERVICE AREA
SCALE: 3/32" = 1'-0"

CRANE RATED CAPACITY

22,000 LBS @ 70 FT STATIC
10,000 LBS @ 70 FT DYNAMIC SEA STATE 4
7,000 LBS PERSONNEL LOAD @ 70 FT

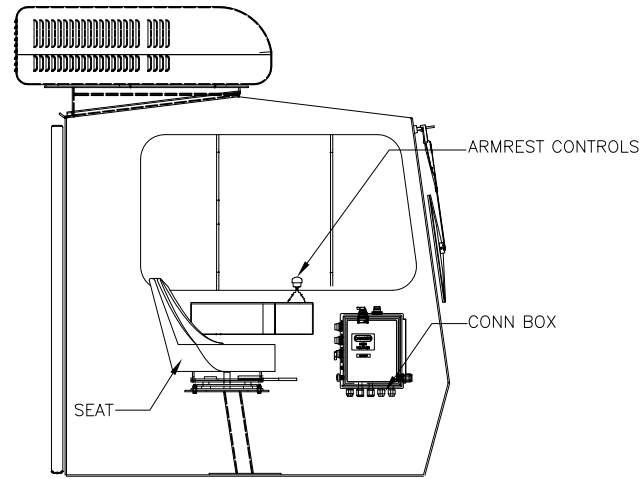
CRANE PRELIMINARY ESTIMATED WEIGHT = 45,000 LBS

ABS FOUNDATION DESIGN LOADS

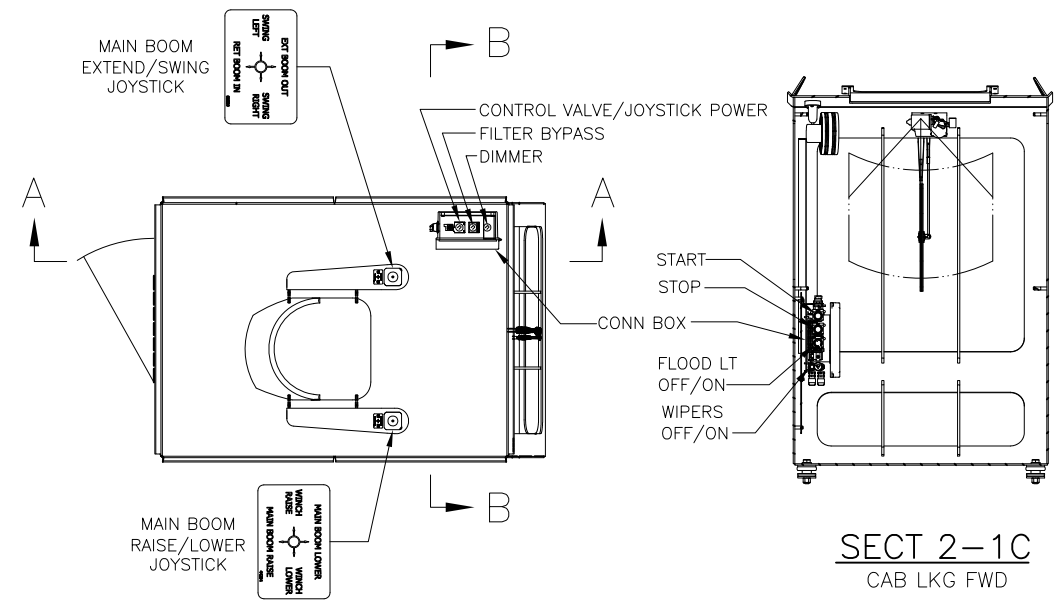
MAX MOMENT = 3,772,000 FT-LBS
MAX SWING TORQUE = 1,326,000 FT-LBS
MAX AXIAL LOAD = 73,600 LBS

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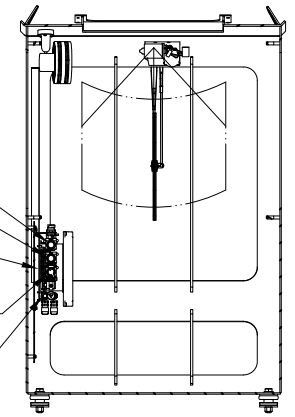
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SHIPBUILDER DAKOTA CREEK INDUSTRIES, Inc.	DWG No. 65411-573-01
NAVSEA DWG No. 8565924	SCALE AS NOTED
SHEET 2 OF 9	REV. -



ELEV 2-5A
CAB LKG FWD

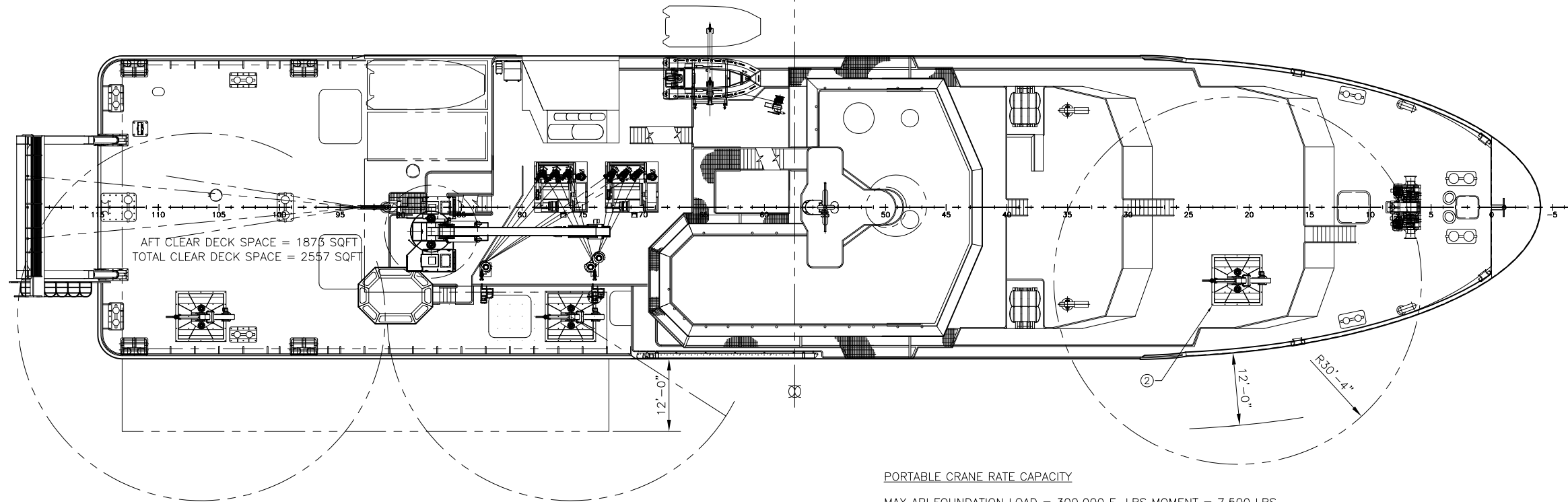


PLAN 2-5C
TK70-70 CRANE CAB
3/4" = 1'-0"



SECT 2-1C
CAB LKG FWD

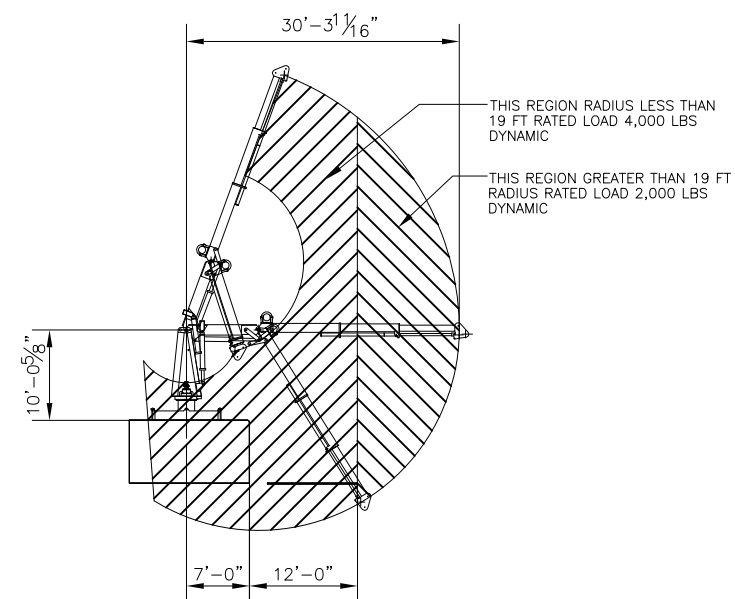
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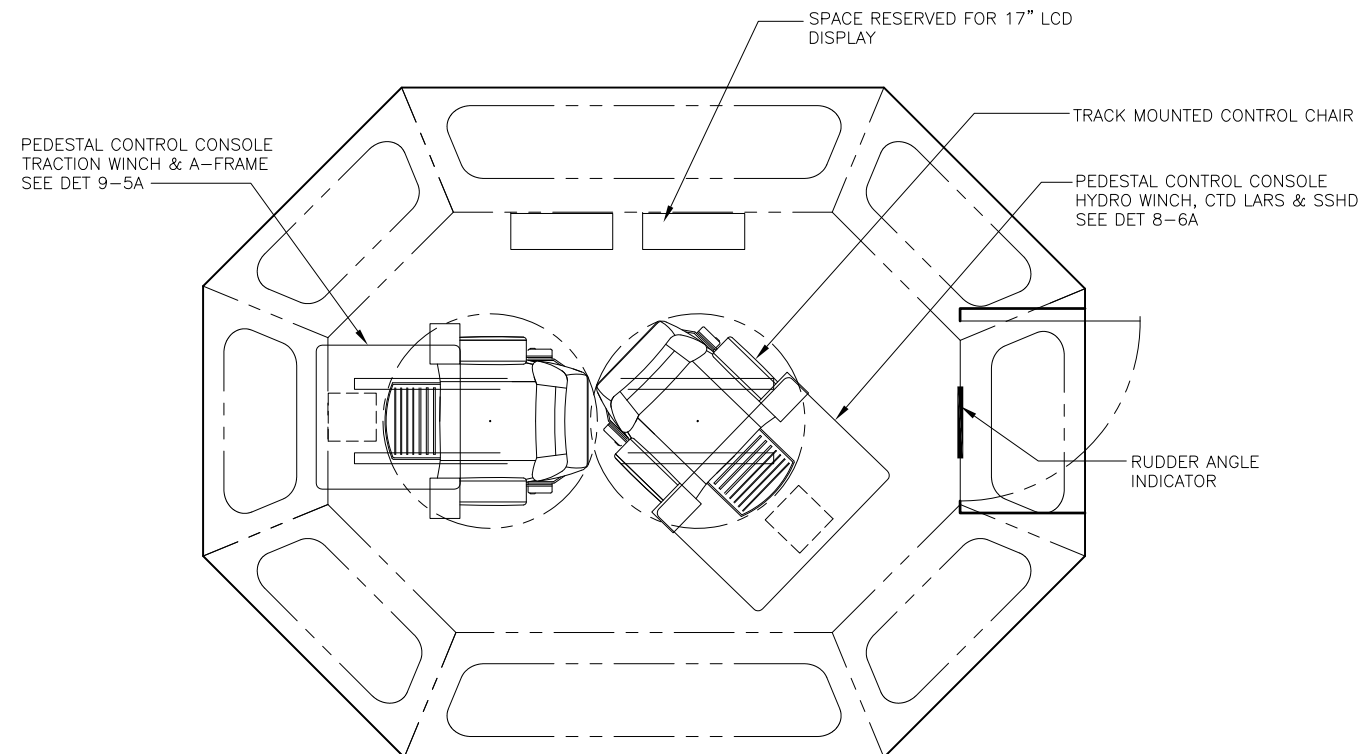
PLAN 3-5C
PORTABLE CRANE LOCATIONS & SERVICE AREAS
SCALE: 3/32" = 1'-0"

PORTABLE CRANE RATE CAPACITY

MAX API FOUNDATION LOAD = 300,000 F-LBS MOMENT = 7,500 LBS
MAX SOCKET LOAD
MAX AXIAL LOAD = 22,000 LBS
SWING TORQUE = 30,000 FT-LBS
FOUNDATION MATCHES 2 FT DECK SOCKET PATTERN
ESTIMATED CRANE WITH HPU AND BASE = 10,000 LBS



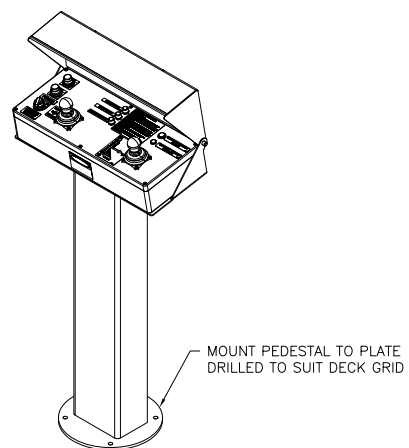
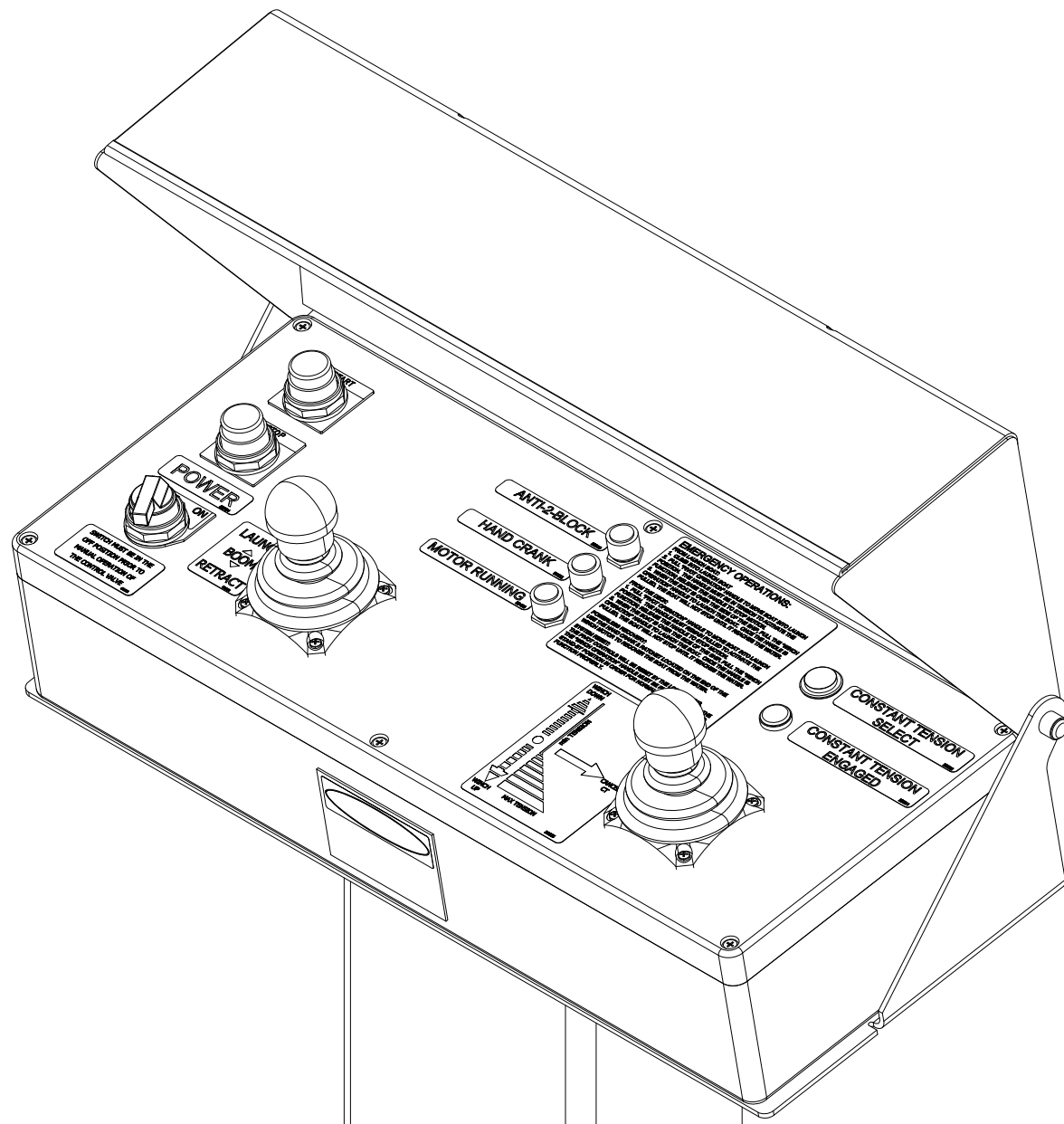
ELEV 3-7A
PORTABLE CRANE
SCALE: 3/32" = 1'-0"



PART PLAN 3-2A
AFR CONTROL STATION
3/4"=1'-0"

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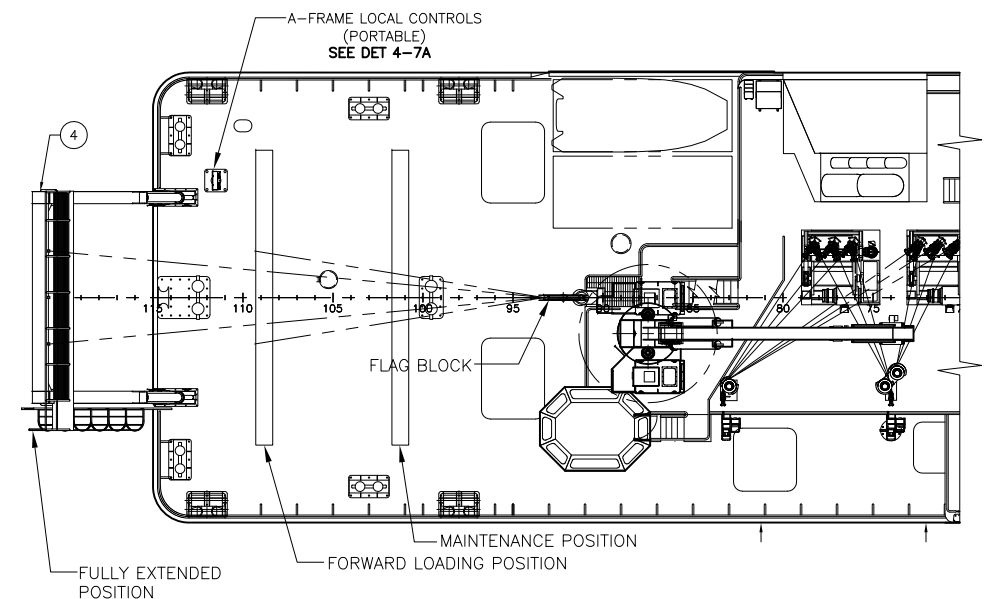
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	NAVSEA DWG No. 8565924			SCALE AS NOTED	SHEET 3 OF 9



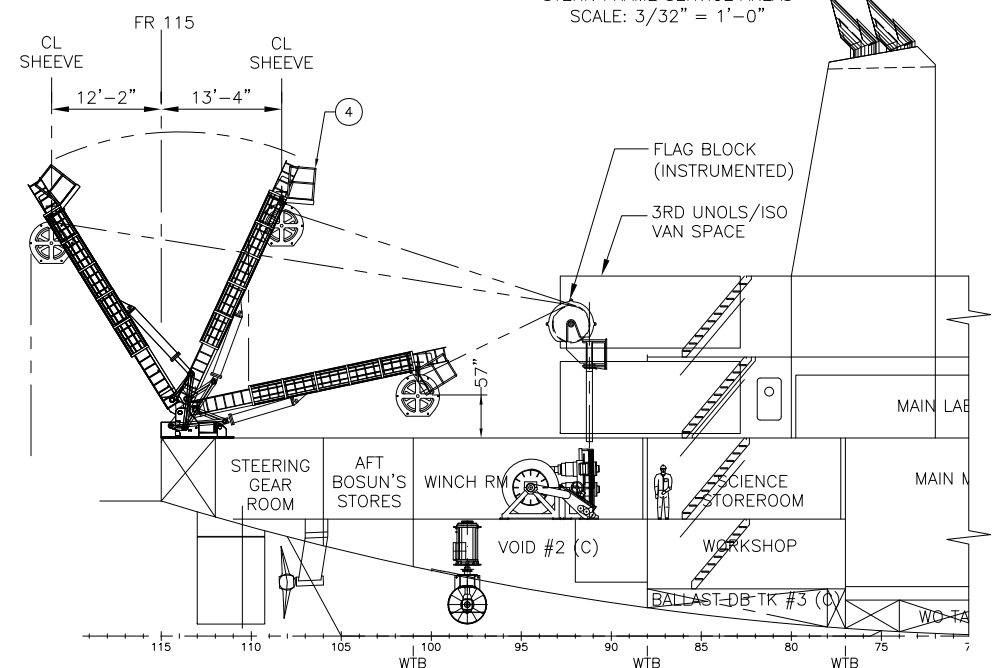
DET 4-7A
A-FRAME LOCAL CONTROLS
NTS

) F-LBS MOMENT = 7,500 LBS

KET PATTERN
= 10,000 LBS



PART PLAN 4-2C
STERN FRAME SERVICE AREAS
SCALE: 3/32" = 1'-0"

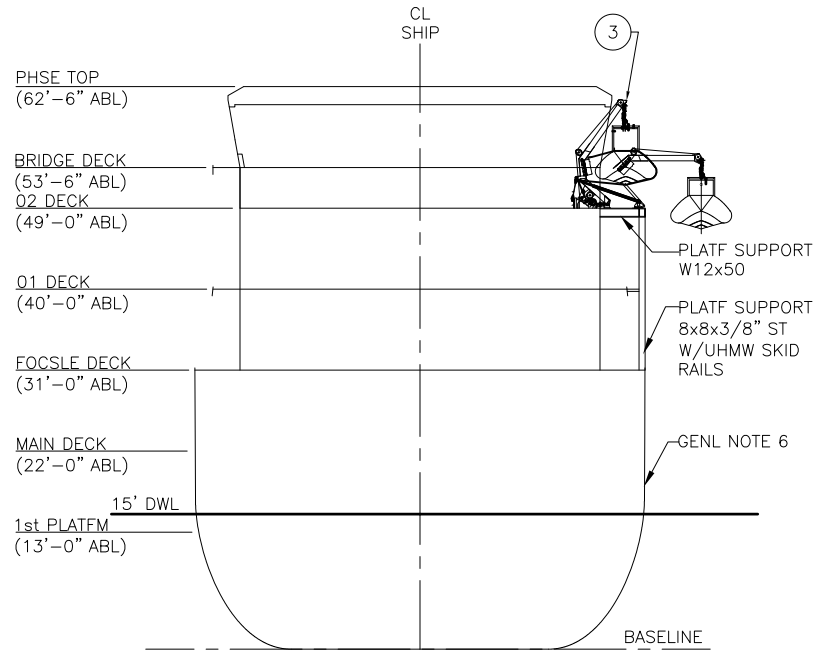


ELEV 4-2A
STERN FRAME SERVICE AREAS
SCALE: 3/32" = 1'-0"

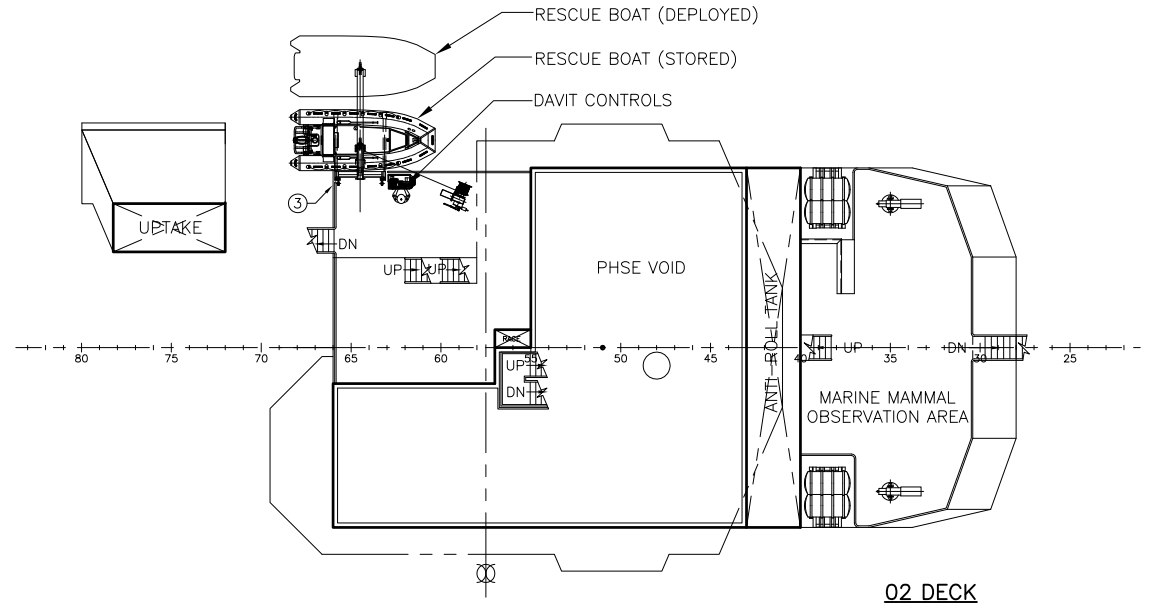
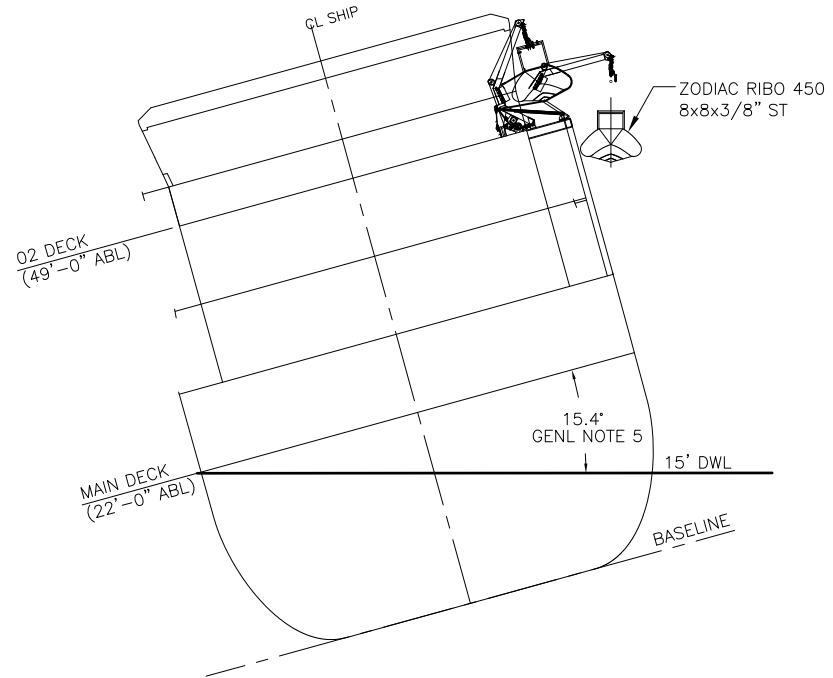
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NAVSEA DWG No. 8565924		SCALE AS NOTED	SHEET: 4 OF 9

PLOT DATE: Thursday December 01 2011
PLOT TIME: 02:27:34 pm
PLOT ID: JP
FILE DIR: 65411 J:\XMIT\111201 NAVSEA DRT
FILE NAME: 027-19 F57301 REV- HANDLING SYSTEMS ARRANGEMENTS\
027-19 F573-01 REV-DWG



SECT 5-6A
RESCUE BOAT LAUNCHING
SCALE: 3/32" = 1'-0"

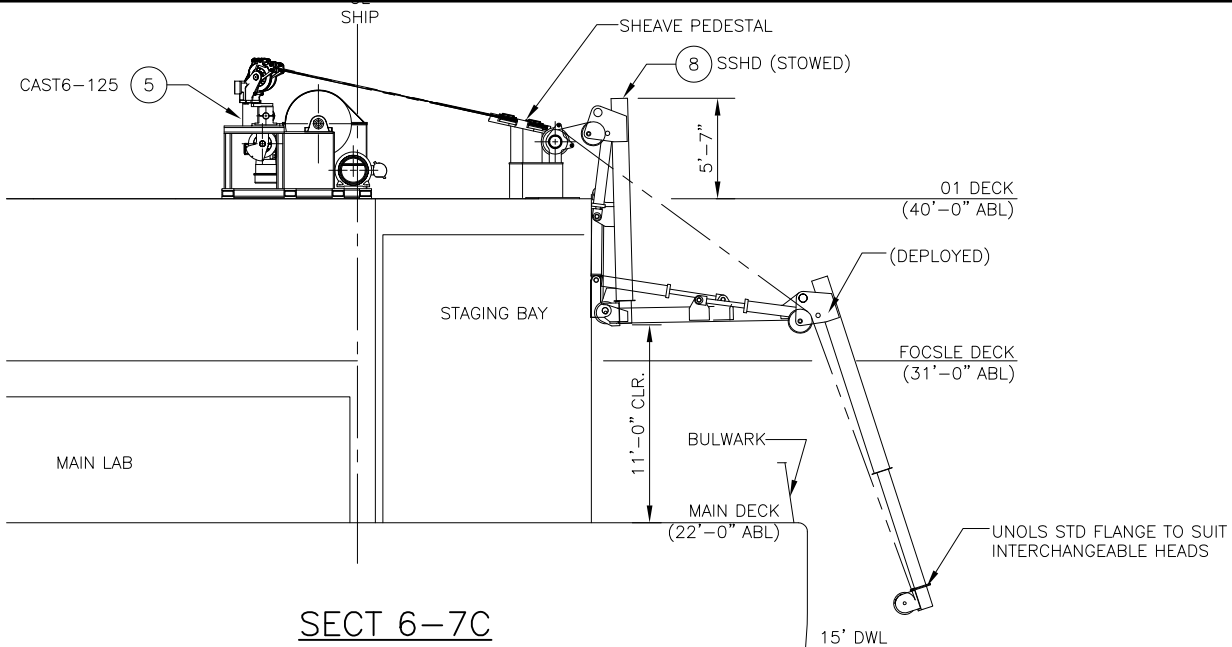


PLAN 5-2A
RESCUE BOAT & DAVIT LOCATION
SCALE: 3/32" = 1'-0"

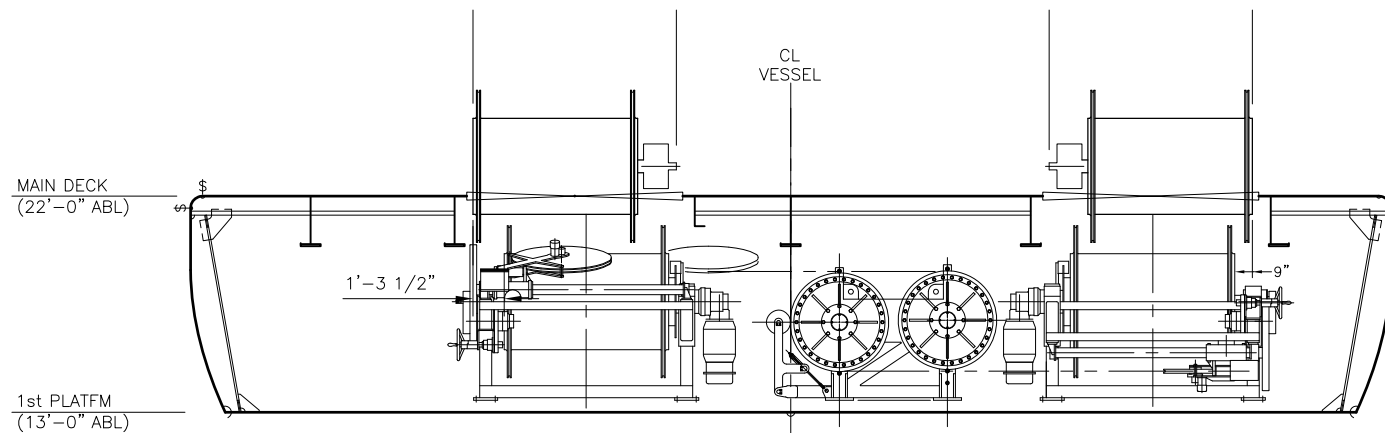
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NAVSEA DWG No. 8565924		SCALE 3/32" = 1'-0"	REV. —
		SHEET: 5	OF 9

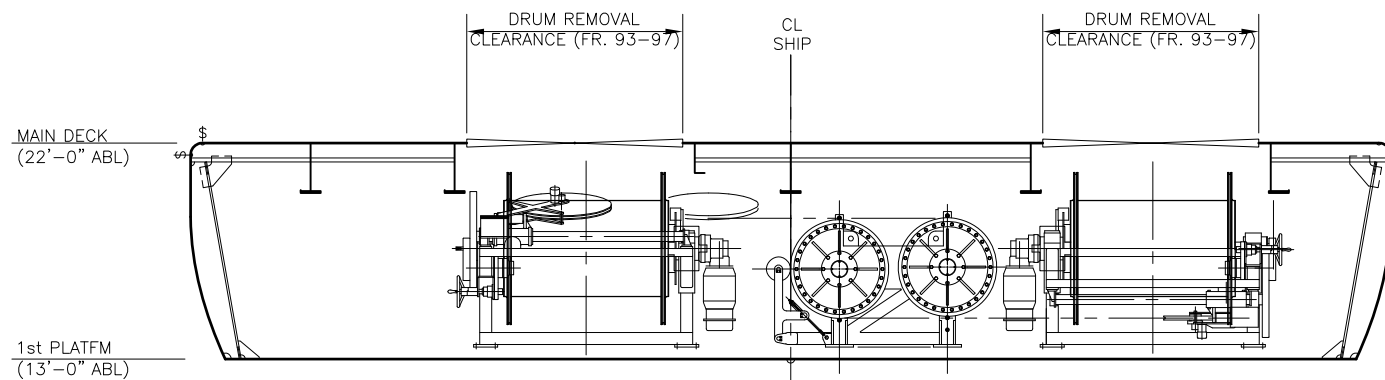
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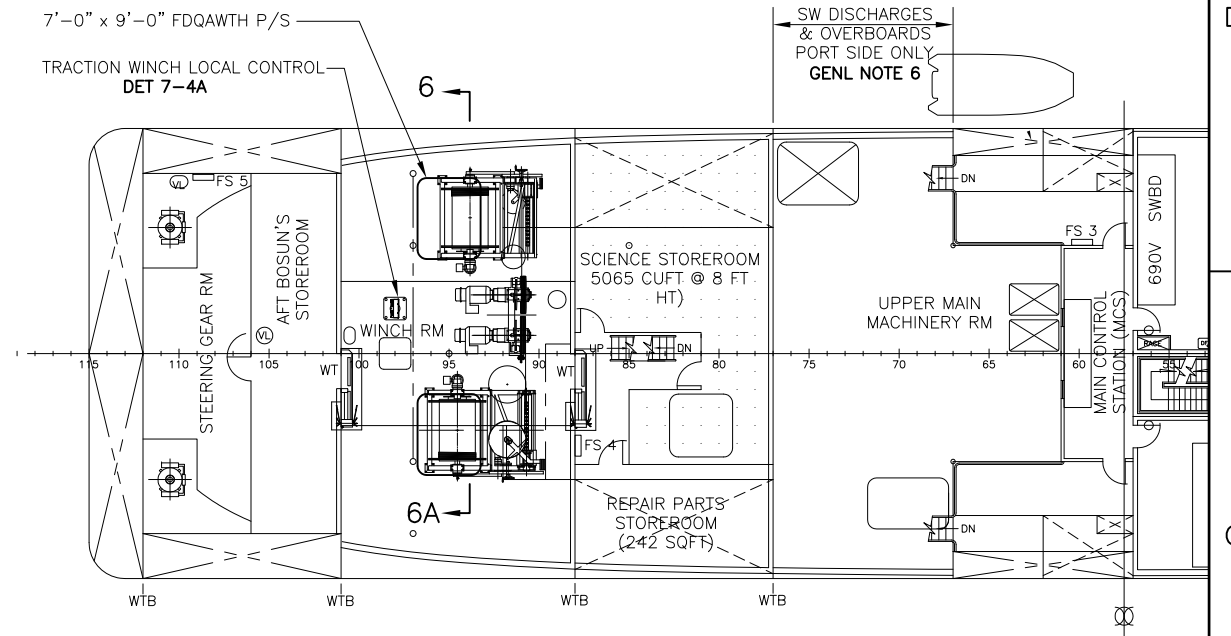
SECT 6-7C
STBD SIDE HANDLING DEVICE-STBD LKG FWD
SCALE: 3/16" = 1'-0"



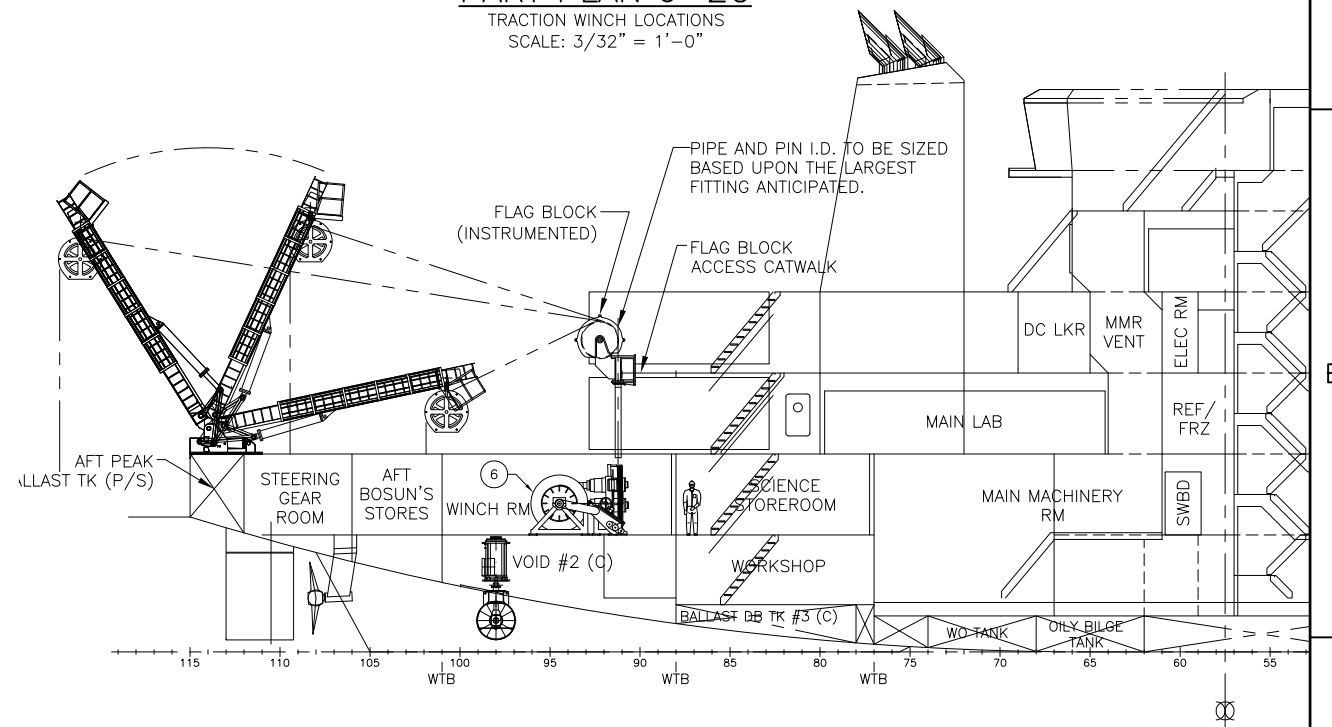
SECT 6-6B
FR 94 LKG AFT
WITH DRUMS TRANSLATED OUTBD FOR LIFTING
SCALE: 1/4" = 1'-0"



SECT 6-6A
FR 94 LKG AFT
WITH DRUMS INSTALLED
SCALE: 1/4" = 1'-0"



PART PLAN 6-2C
TRACTION WINCH LOCATIONS
SCALE: 3/32" = 1'-0"

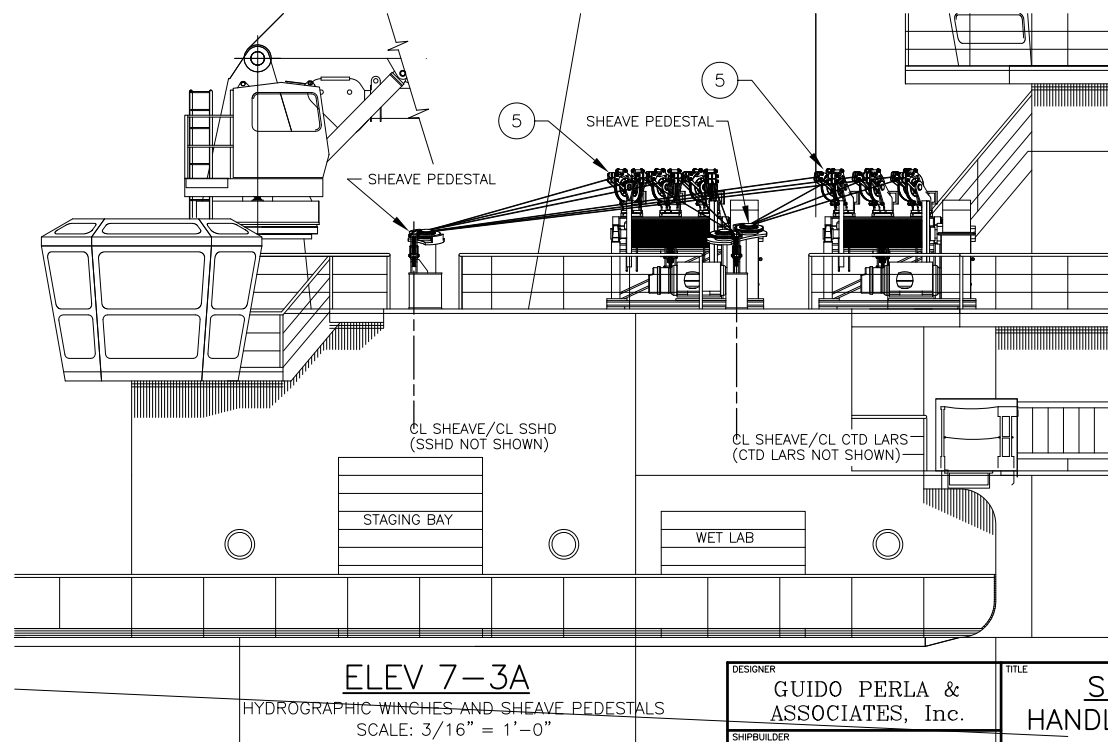
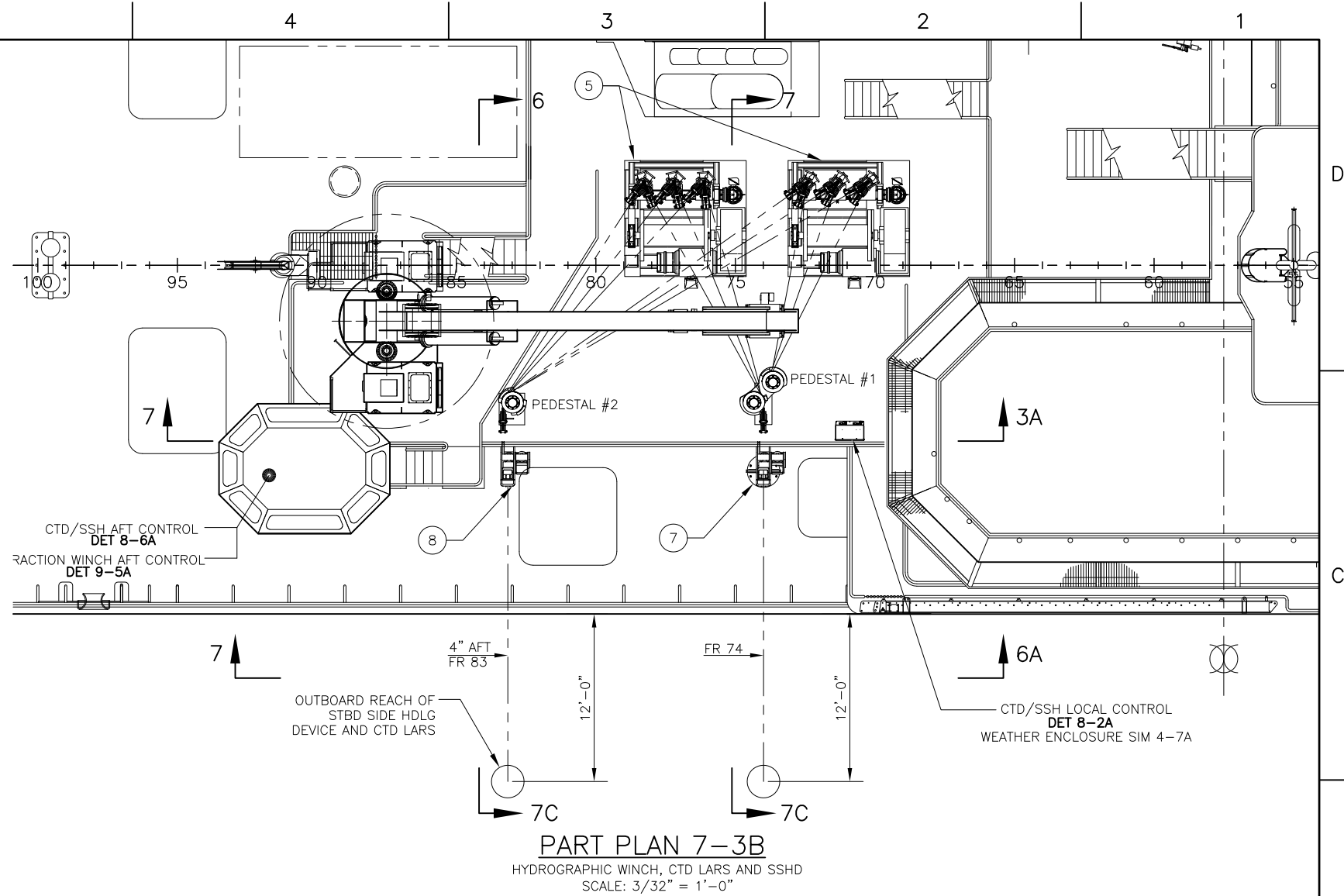
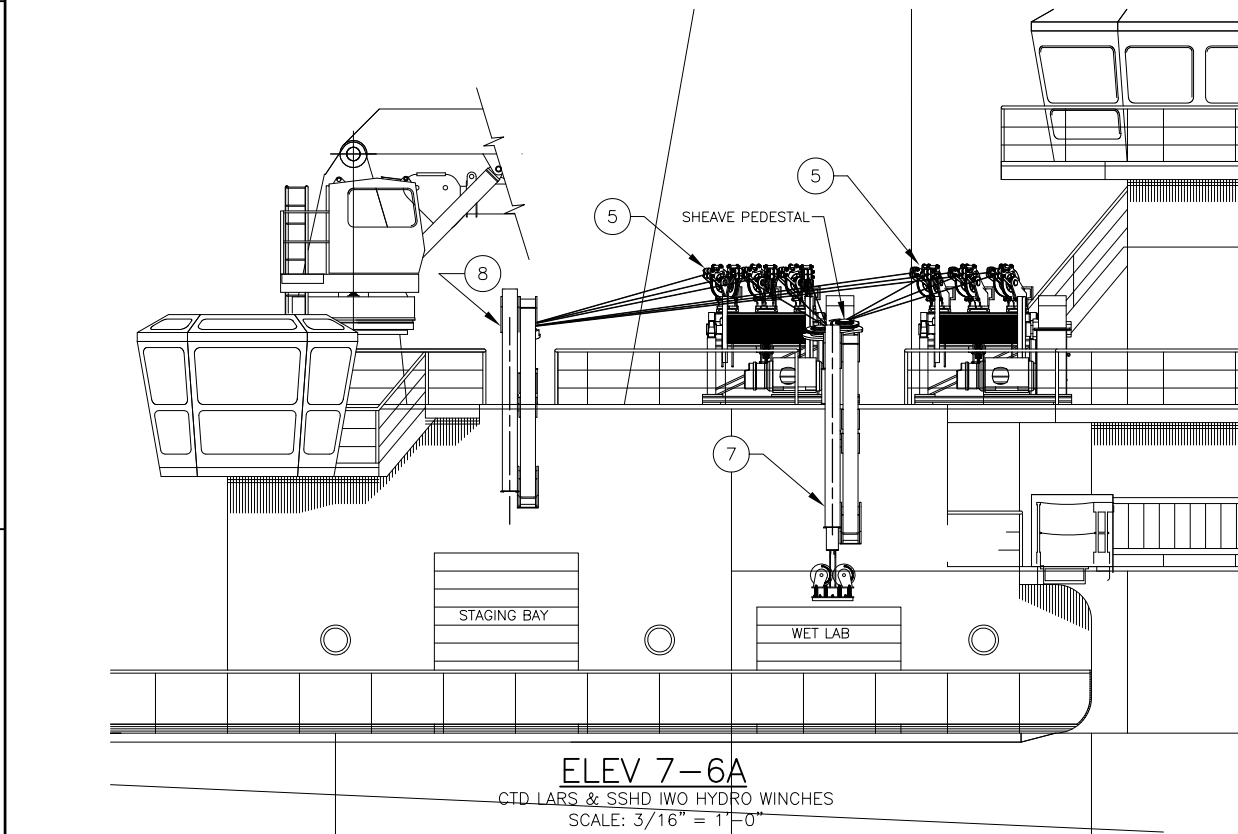
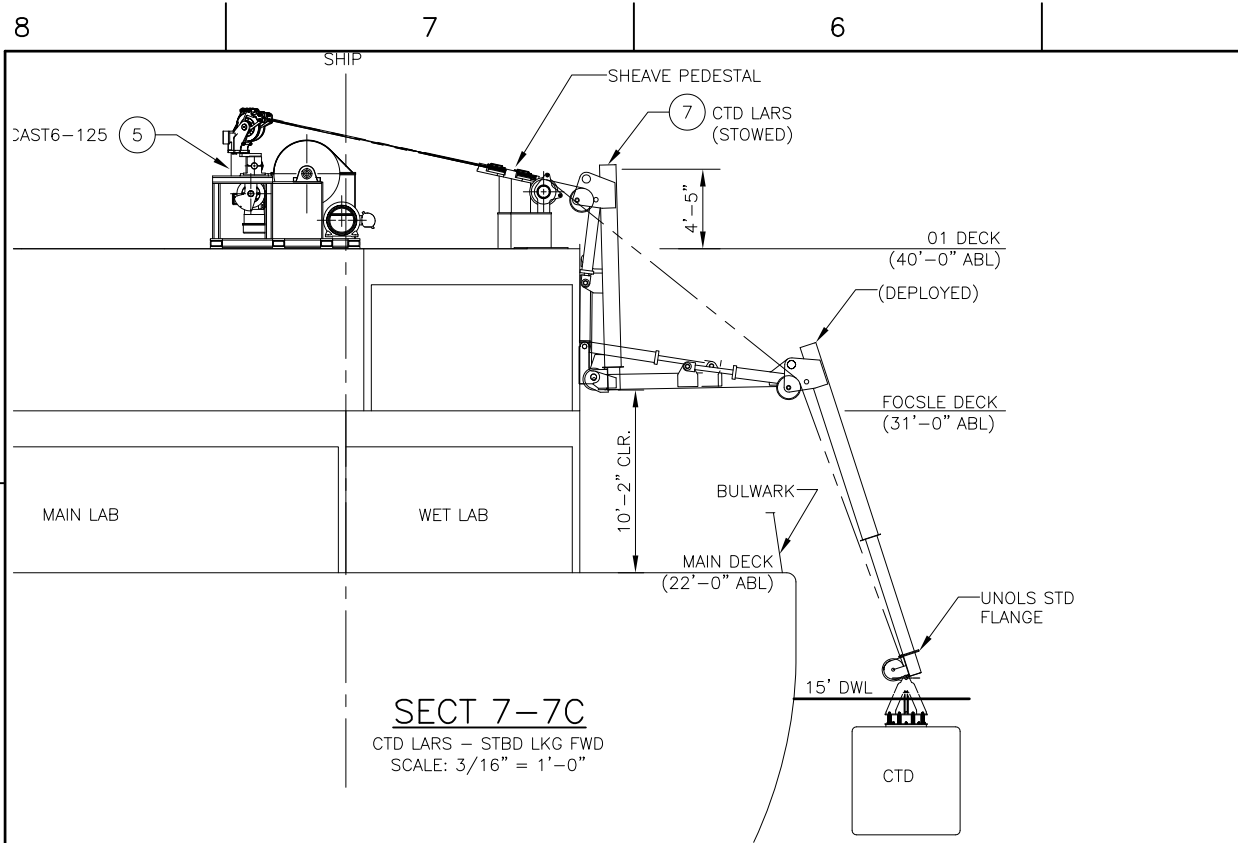


ELEV 6-2A
TRACTION WINCH LOCATIONS
SCALE: 3/32" = 1'-0"

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SHIPBUILDER DAKOTA CREEK INDUSTRIES, Inc.	DWG No. 65411-573-01
NAVSEA DWG No. 8565924	SCALE AS NOTED
	SHEET 6 OF 9

PLOT DATE: Thursday, December 01, 2011
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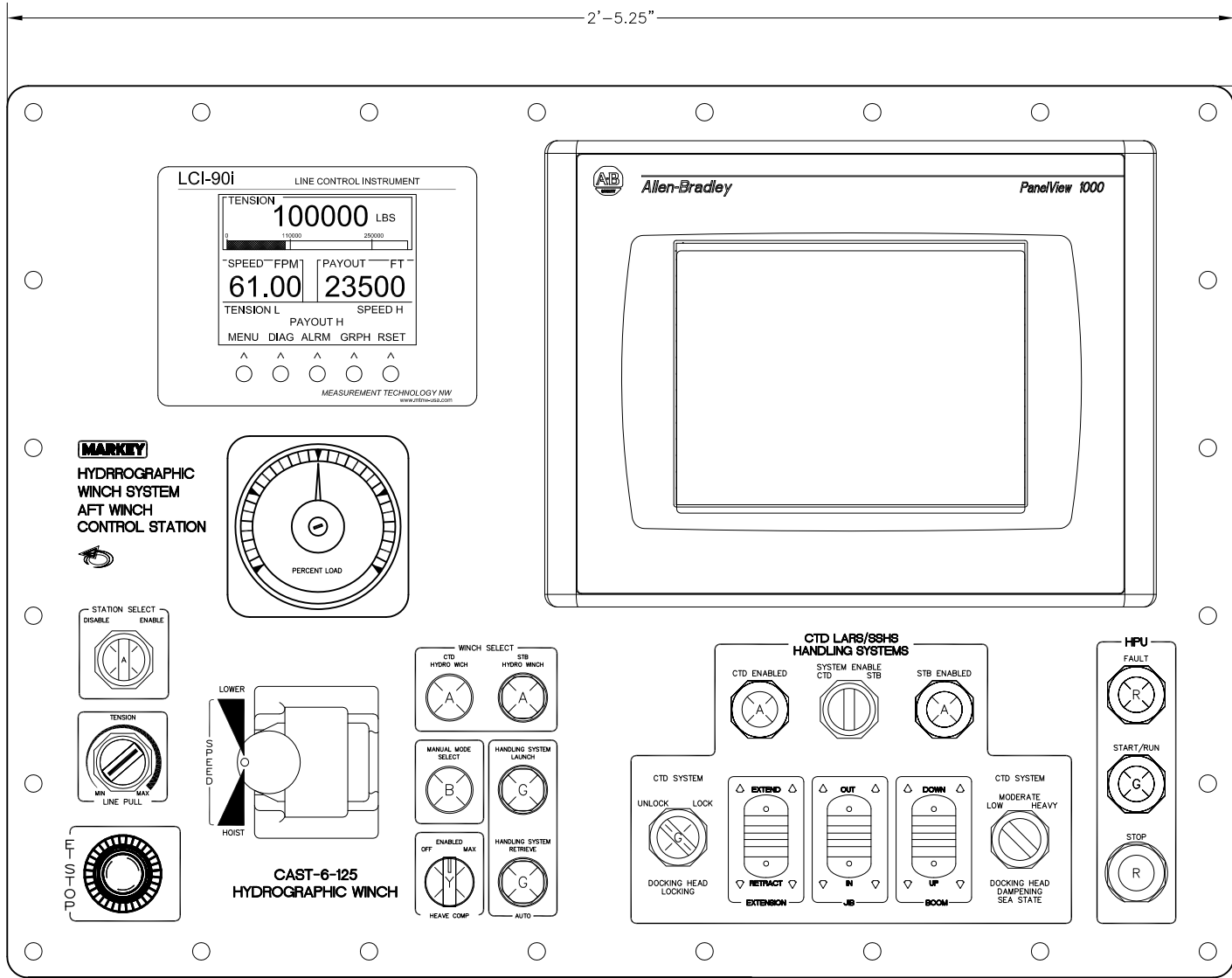


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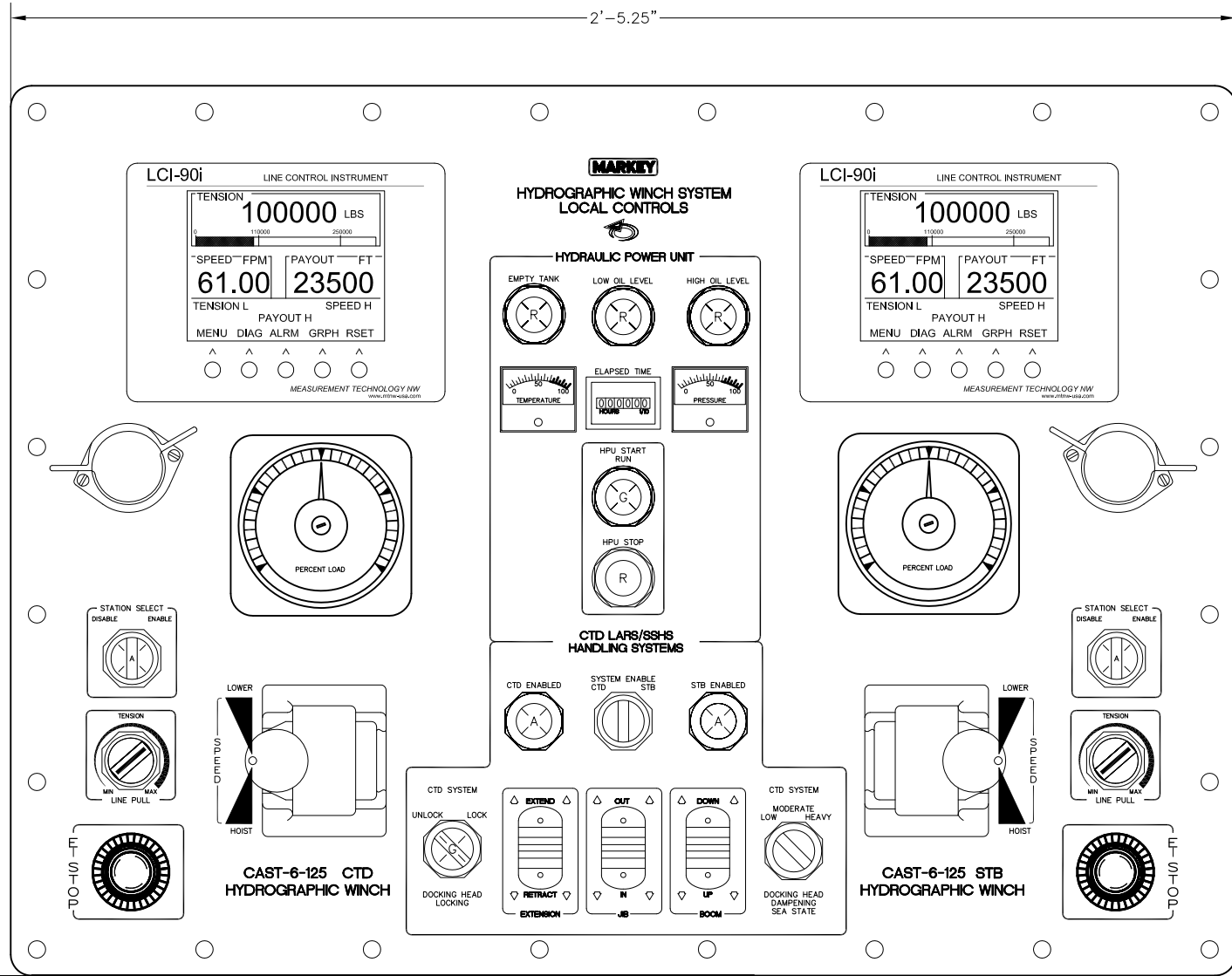
DESIGNER
GUIDO PERLA &
ASSOCIATES, Inc.
SHIPBUILDER
DAKOTA CREEK
INDUSTRIES, Inc.
NAVSEA DWG No. 8565924

TITLE
SHIP CONSTRUCTION
HANDLING SYSTEMS ARRGMT.
DWG No. 65411-573-01
SCALE AS NOTED
SHEET 7 OF 9

PLOT DATE: Thursday December 01 2011
PLOT TIME: 02:28:30 pm
PLOT ID: JF
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FILE NAME: DCI 027-19 F573-01 REV-1



DET 8-6A
CTD/SSH AFT CONTROL PANEL
SCALE: 6" = 1'-0"

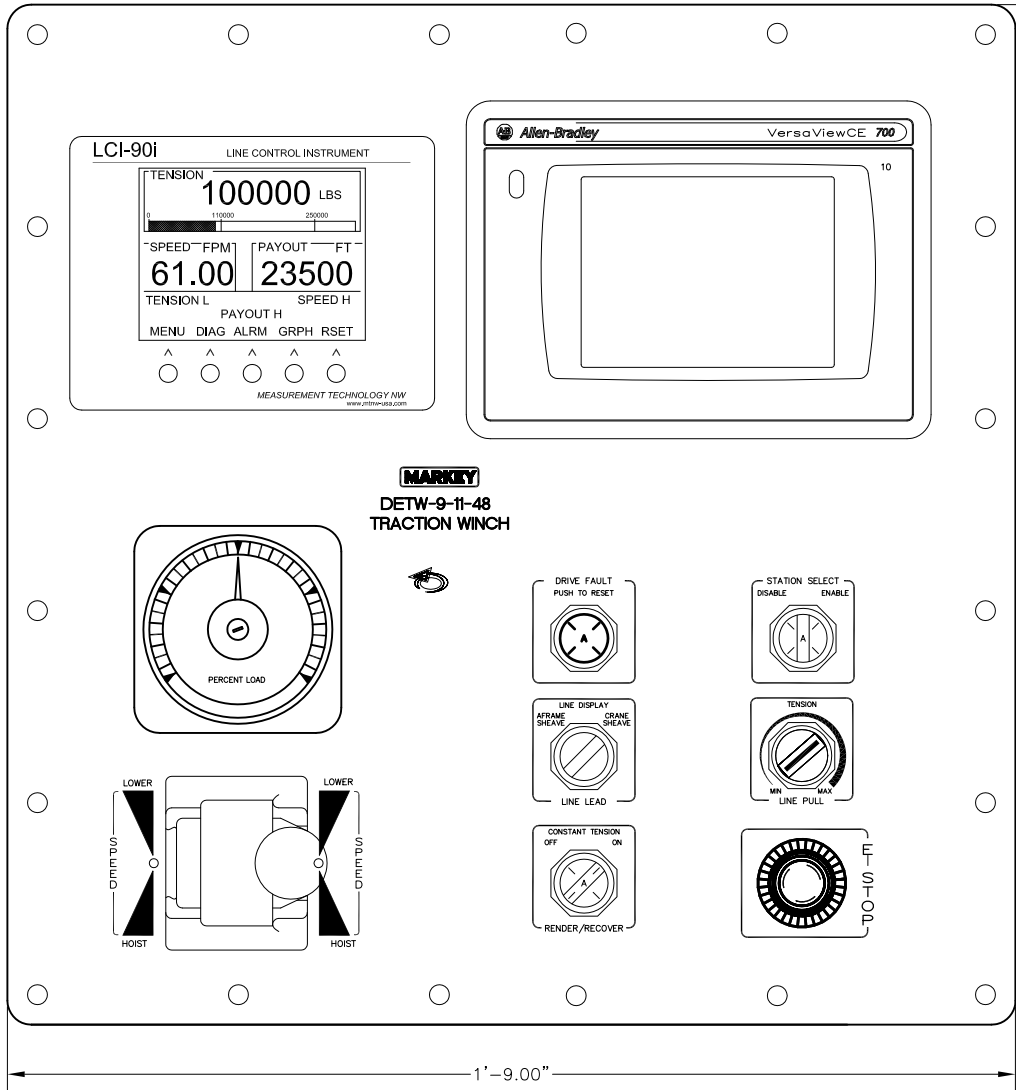


DET 8-2A
CTD/SSH LOCAL CONTROL PANEL
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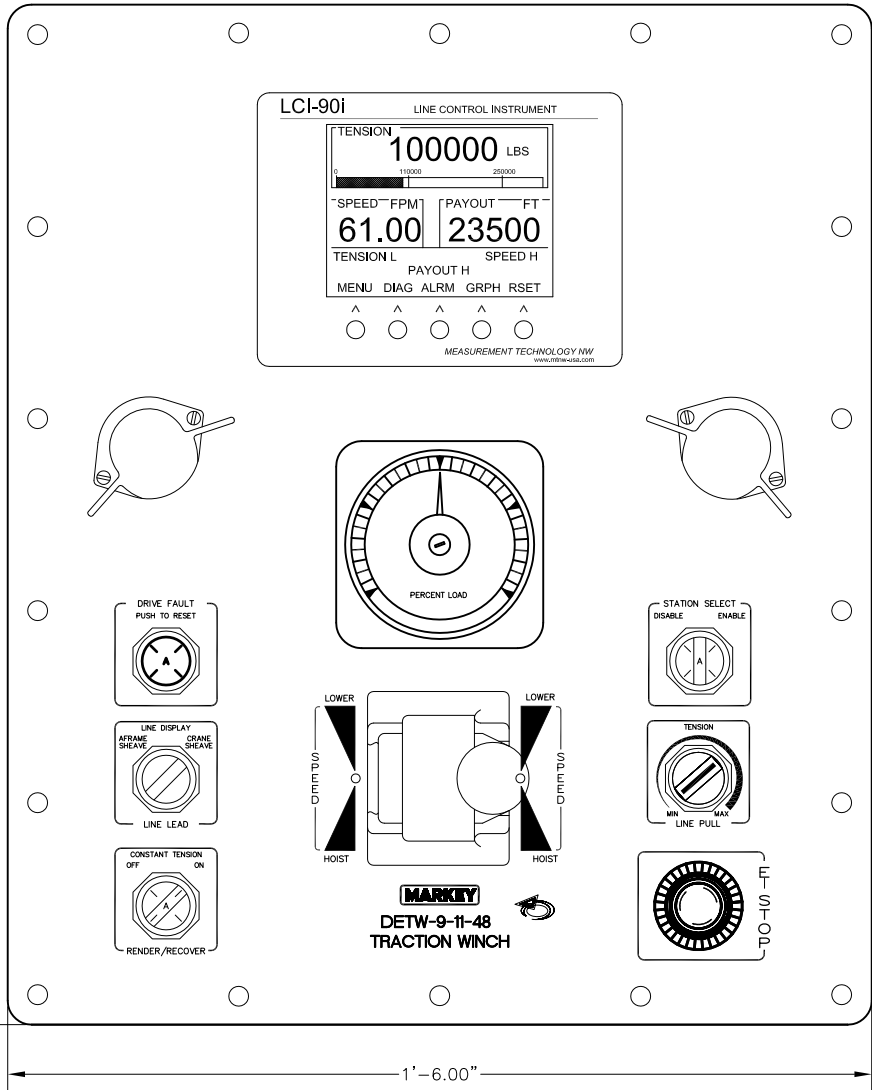
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File Name: 65411-573-01 REV-01



DET 9-5A
TRACTION WINCH AFT CONTROL PANEL
SCALE: 6" = 1'-0"



DET 9-2A
TRACTION WINCH LOCAL CONTROL PANEL
SCALE: 6" = 1'-0"

HALF SIZE
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DESIGNER	GUIDO PERLA & ASSOCIATES, Inc.	TITLE	SHIP CONSTRUCTION HANDLING SYSTEMS ARRGMT.
SHIPBUILDER	DAKOTA CREEK INDUSTRIES, Inc.	DWG No.	65411-573-01
NAVSEA DWG No.	8565924	SCALE	6" = 1'-0"
SHEET:	9 OF 9	REV.	-